

PHOTOGRAPHIC INTERPRETATION REPORT

NEW CONSTRUCTION AT VORONEZH STATIC TEST FACILITY, USSR



CIA



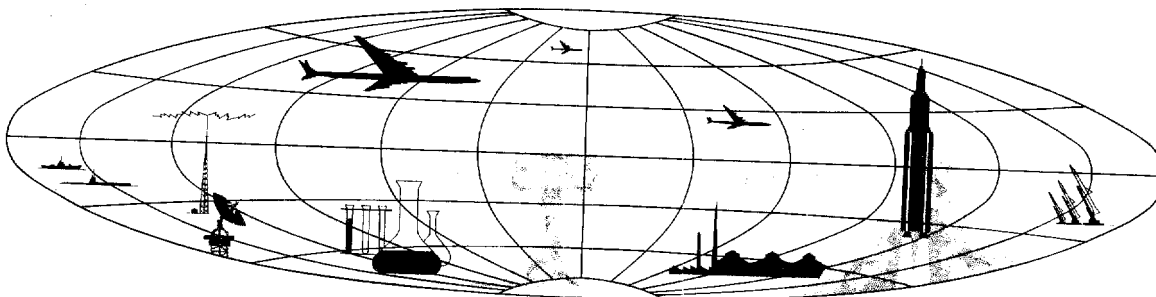
DIA

Handle Via **TALENT - KEYHOLE** Control Only

WARNING

This document contains classified information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive TALENT-KEYHOLE information. Its security must be maintained in accordance with KEYHOLE and TALENT regulations.

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



TOP SECRET

GROUP 1
Excluded from automatic
downgrading and declassification

NEW CONSTRUCTION AT

VORONEZH STATIC TEST FACILITY, USSR

25X1A

A static test facility [REDACTED] is located at 51-35N 39-10E, 5 nautical miles (nm) south of Voronezh, USSR (Figure 1); the city of Voronezh is approximately 250 nm south-southeast of Moscow. Although photography of [REDACTED] (Figure 2) is hazy and snow covered, and therefore of rather poor quality, new construction activity and significant features that could not be identified on previous photography 1 can now be observed.

25X1D

A newly identified possible construction crane or vertical test stand under construction is visible in the southwestern section of the facility (Figures 2 and 3); it is on the edge of or overhangs a pit observed on photography of [REDACTED]. Although haze and small scale preclude a determination of the height of the object/structure, it is estimated to be at least 100 feet high and approximately 50 feet square. About 300 feet northwest of this structure are two

25X1D

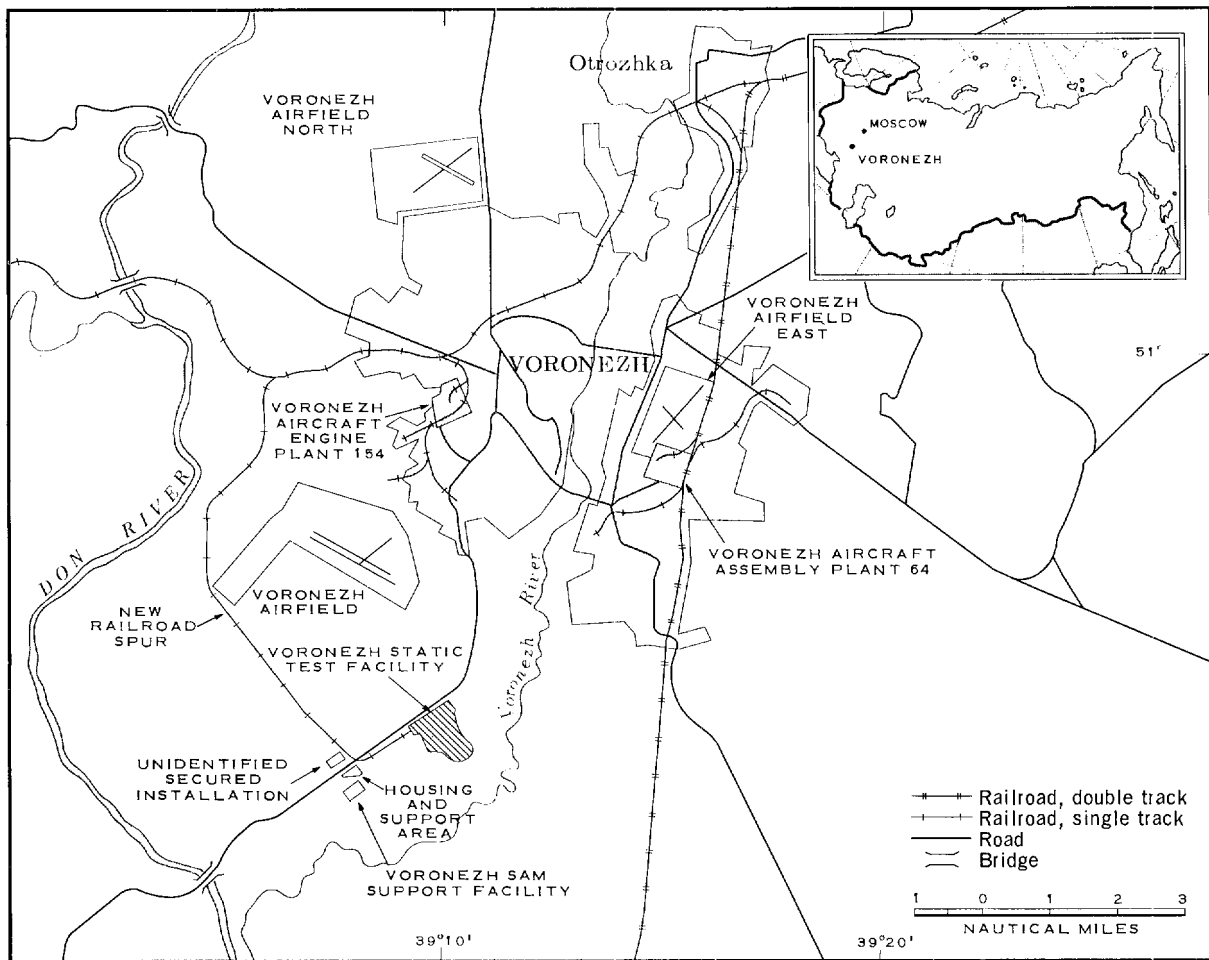


FIGURE 1. LOCATION OF VORONEZH STATIC TEST FACILITY, USSR.

NPIC H-7724 (2/64)

NPIC/R-153/64

newly observed objects which bear some resemblance to a vertical test stand and an associated structure under construction. Good-quality photographic coverage in the future should provide more positive information on this suspect vertical test stand under construction.

In the south-central portion of the facility a large building measuring approximately 220 by 200 feet (Figures 2 and 3) has been constructed in a square clearing visible in [REDACTED]. This building is about 750 feet northeast of the possible construction crane or vertical test stand under construction and is directly connected to it by a road. Along the southeast side of the building is a row of ill-defined objects which may possibly be horizontal storage tanks.

In [REDACTED] the test facility included two test cells with associated blast pits and two possible horizontal test stands with an

associated blast wall. 2/ The possible horizontal test stands seen in [REDACTED] are not visible on the current photography. One of the older test cells shows indications of recent test activity: a dark tone in the blast pit which could be caused by either the melting of snow or the deposit of exhaust particles on the snow. Adjacent to and just northeast of the older test cells are two similar newly identified test cells with associated blast pits (Figure 3); these cells were probably under construction in [REDACTED] and one of them shows indications of possible test activity.

The entire test facility is now secured and covers an area of about 360 acres, an increase of approximately 155 acres since [REDACTED] photography. The total building roof coverage at the site has been increased by over 50,000 square feet during the same period.

25X1D

25X1D

25X1D
25X1D

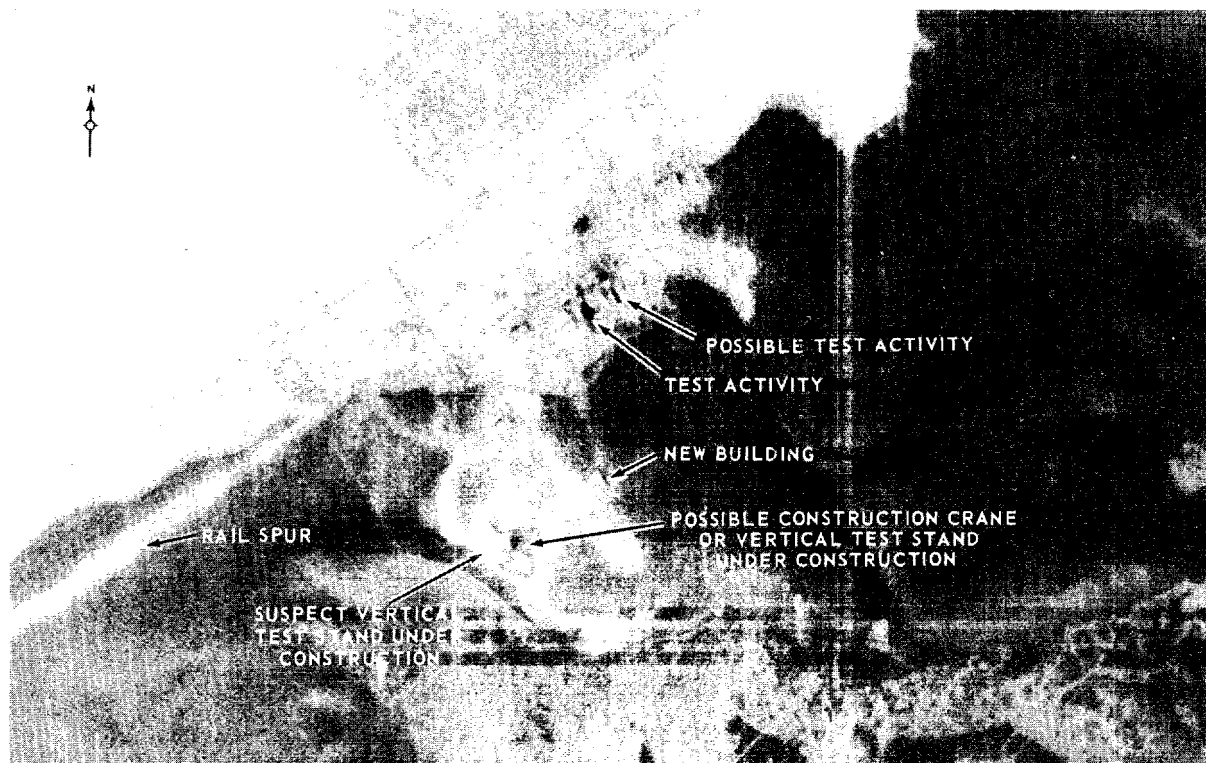


FIGURE 2. VORONEZH STATIC TEST FACILITY, [REDACTED]

NPIC H-7725 (2/64)

25X1D

- 2 -

TOP SECRET CHESS RUFF

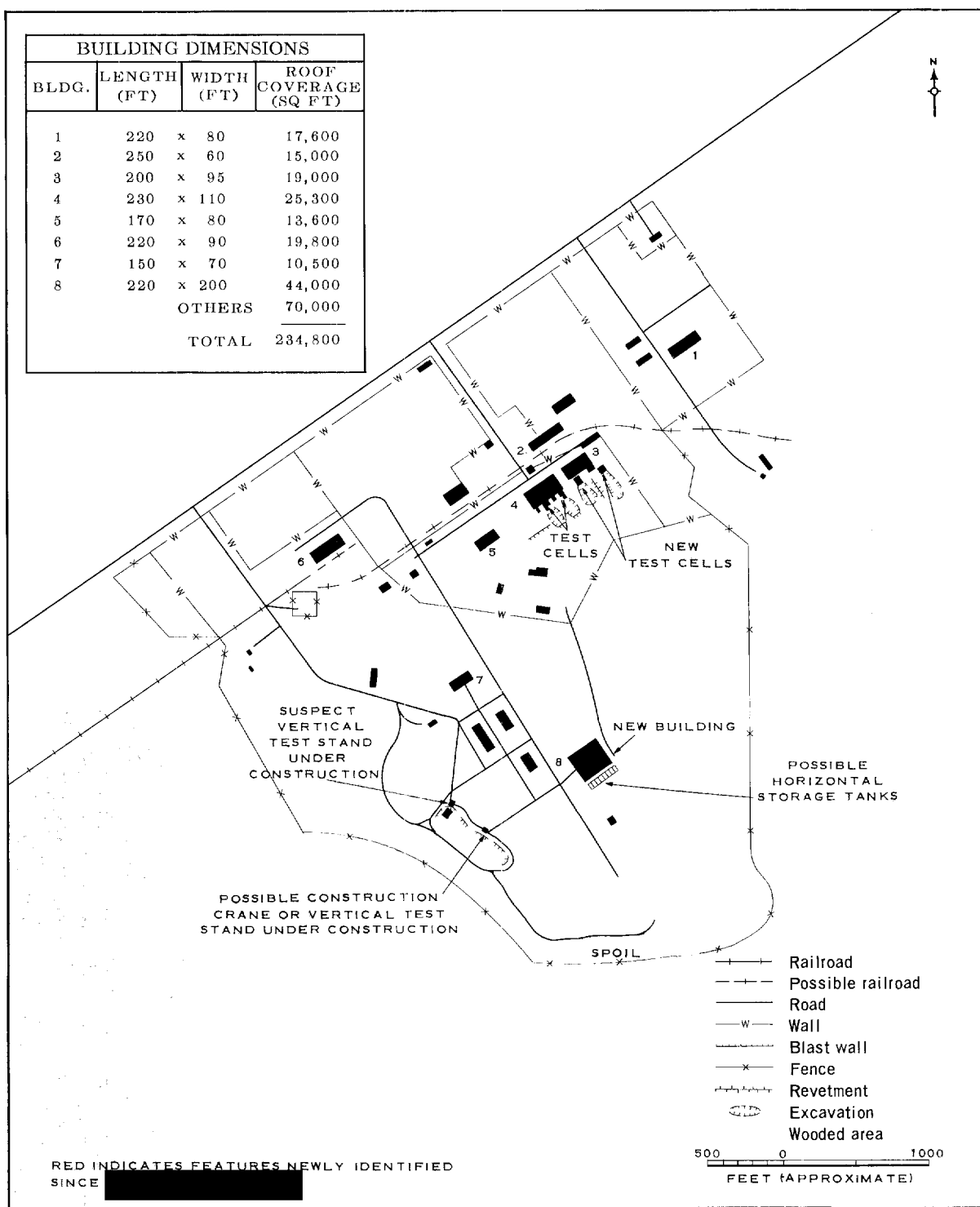


FIGURE 3. VORONEZH STATIC TEST FACILITY.

NPIC H-7726 (2/64)

NPIC/R-153/64

25X1D A rail spur, probably still under construction, connects with the main east-west rail line serving the city of Voronezh and enters the facility from the southwest (Figure 1). The first traces of ground scarring for construction of the spur were visible on photography of [REDACTED]. Although the continuation of the spur into the facility cannot be completely verified because of photographic limitations, there are indications that the spur possibly serves the older, central portion of the site.

25X1D Other new construction observed on the [REDACTED] photography includes: several small structures scattered throughout the facility, extension of a road beyond a spoil pile which was first observed in [REDACTED] several new roads inside the facility, walls or solid fences dividing the northwest portion of the site into small separately secured areas, and continued activity in the northeast section outside the secured area. The wall surrounding the central

area of the test facility has been extended to include the two new test cells. This wall was under construction in [REDACTED]. Several roads, small buildings, and sections of wall which were visible on the coverage from previous missions are not apparent on the current photography.

POSSIBLY RELATED INSTALLATIONS

Several installations which may possibly be related to the test facility are located in the vicinity of Voronezh. A small housing and support area, a small unidentified secured installation, and a Type I SAM support facility [REDACTED] are grouped approximately 1.5 nm southwest of the test facility near a sharp curve in the new rail spur (Figure 1). Voronezh Aircraft Engine Plant 154 [REDACTED] is approximately 5 nm to the north, and Voronezh Aircraft Assembly Plant 64 [REDACTED] is about 5 nm to the northeast (Figure 1).

25X1D

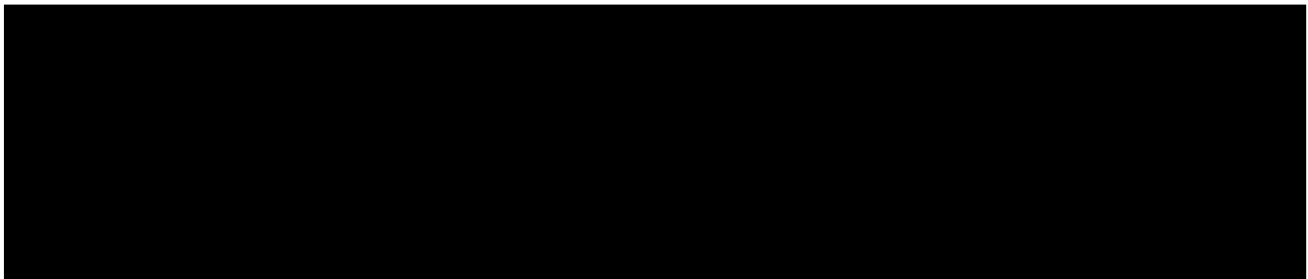
25X1A
25X1A

25X1A

25X1A

REFERENCES

PHOTOGRAPHY



MAPS OR CHARTS

2RTS. US Air Target Chart, Series 200, Sheet 0234-3AL, 3d ed, Jun 60, scale 1:200,000 (SECRET)

ACIC. US Air Target Mosaic, Series 50, Sheet 0234-3/12MA, 1st ed, Jul 59, scale 1:50,000 (CONFIDENTIAL)

DOCUMENTS

1. NPIC. R-55/64, Voronezh Static Test Facility, USSR, Jan 64 (TOP SECRET CHESS RUFF)

REQUIREMENT

NPIC. PC-54/64

NPIC PROJECT

N-63/64

TOP SECRET CHESS RUFF

~~TOP SECRET~~